

## **Joseph Anelli**

Dr. Anelli is currently the Director of the Emergency Programs staff for the Animal and Plant Health Inspection Services' Veterinary Services. Dr. Anelli manages a staff of 20 full time employees with skills ranging from foreign animal disease, epidemiology, biosecurity, disaster management, entomology, and biologics. He was asked to lead Emergency Programs five years ago and has been working cooperatively with States, veterinary professionals, and industries to deliver an integrated coordinated yet flexible emergency management system.

Dr. Anelli began his career with the U.S. Department of Agriculture in New York where he led emergency task force operations for avian influenza and exotic Newcastle disease viruses. He later attended the University of Minnesota's Masters in Veterinary Epidemiology Program. He has also served as the National Swine Epidemiologist, Chief of the Swine Health Staff, and Chief of the National Animal Health Programs Staff before coming to Emergency Programs.

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## **Paula Cowen**

Dr. Cowen grew up primarily in Colorado. She attended California State Polytechnic University in Pomona, CA for 3 years. She returned to Colorado to complete her undergraduate studies and attend veterinary school. She graduated from the College of Veterinary Medicine and Biomedical Sciences at Colorado State University, Fort Collins, CO. in 1985. Upon graduation, she and her veterinarian husband bought a rural mixed practice in northeastern Colorado, where she worked for 10 years.

Paula was selected as the Director of the Professional Development Staff, Veterinary Services in March of 2003. Paula began her career with APHIS as a Veterinary Educational Specialist in February 1995 with Organizational and Professional Development (OPD) at the Centers for Epidemiology and Animal Health (CEAH) in Fort Collins. This has been a wonderful and exciting opportunity for her. Paula lives on a farm east of Fort Collins with her husband, John Belfrage, DVM and an Epidemiologist at CEAH, and three sons.

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## **Armin Elbers**

**Armin Elbers** was born in Amsterdam in 1961; he is married and has a son and two daughters.

He graduated from Wageningen Agricultural University with a Masters of Science in Animal Production in 1986. He obtained his PhD from the Faculty of Veterinary

Medicine, State University of Utrecht in 1991. The title of his thesis was: The use of slaughterhouse information in monitoring systems for herd health control in pigs. From August 1991 till October 1992 he was at Ontario Veterinary College, Guelph, Canada, from which he graduated with a Masters of Science in Population Medicine. In 1996 he was registered as Scientific Researcher in Epidemiology at the Dutch Society for Training for Medical-Biological Scientific Research (SWBMO).

During the Classical Swine Fever epidemic in 1997-98 in the Netherlands he was stationed full-time as an epidemiologist at the Local Crisis Centres in Boekel and Uden. During the Foot-and-Mouth Disease epidemic in 2001 in the Netherlands he was stationed full-time as an epidemiologist at the Local Crisis Centre in Stroe. During the Avian Influenza epidemic in 2003 in the Netherlands he was stationed as an epidemiologist at the National Crisis Centre in Voorburg and at the Local Crisis Centre in Stroe.

His field of expertise is Veterinary Epidemiology and list-A Disease Emergency Management.

He supports several different Animal Species Departments (poultry, swine, ruminants) in veterinary research: development of projects, study design, statistical analysis of data, interpretation of results, reporting of results in scientific journals.

He is involved in interdisciplinary research projects, including projects on monitoring and surveillance of swine diseases in domestic swine and wild boar in the Netherlands.

He has been involved in the European project SALINPORK (FAIR1 CT95-0400): Salmonella in Pork: pre-harvest and harvest control options based on epidemiologic, diagnostic and economic research.

Integrated Quality control in pigs; slaughterhouse monitoring of lesions in pigs; clinical field trials for antibiotics; monitoring of wildlife-diseases; gastric ulcers in pigs; veterinary occupational health; Classical Swine Fever Epidemiology; Foot-and-Mouth Disease Epidemiology; Disease Emergency Management; Aujeszky's disease eradication campaign.

He is first author of 38 peer-reviewed scientific publications and co-author of 48 peer-reviewed scientific publications.

Currently he is working as head of the Epidemiology Unit at the National Animal Health Service, responsible for all species.

He will be working as an epidemiologist in the Section Notifiable and Exotic viral animal diseases at the Central Institute for Disease Control (CIDC-Lelystad) from August 1, 2003.

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## **Stephen Ellis**

Dr. Ellis is a native Mainer, having earned a BS degree at the University of Maine and my DVM degree at Cornell University in 1970. He worked in mixed and dairy practices

for six years and did some wildlife research in fish and vascular plants in New York State before moving back to Maine and joining APHIS in 1980. Highlights of my 20+ years as a field VMO in Maine have included lots of export activities, disease details, embryo transfer inspections and involvement with the Maine aquaculture industry. During that time I was fortunate enough to pursue further training in aquaculture at Aquavet in Woods Hole, MA, the University of Maine Darling Center, Unity College in Unity, ME and the Oregon State University Hatfield Marine Science Center. After Infectious Salmon Anemia was diagnosed in Maine early in 2001, he organized a small group of knowledgeable fish health folks to write an ISA response plan, which was later adopted as the USDA ISA Program Standards. Dr. Ellis was then selected as the ISA program veterinarian, and have implemented our program from Augusta and Eastport, ME since January 2002. He has assisted in these efforts by a fine veterinary/PhD epidemiologist, a skillful fisheries biologist, a cooperative industry and a very supportive supervisor.

Avocational interests include lots of outdoor activities enjoying Maine's diverse seasonal opportunities, a long-term addiction to orchid collecting and culture, gardening, reading and traveling. My three adult children have scattered around the country in pursuit of education and careers.

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### **Lisa Ferguson**

Dr. Ferguson obtained her veterinary degree from the University of Missouri, with undergraduate work completed at the University of Arkansas. She joined a clinical practice in Oklahoma immediately after graduation. After about 2 years of practice, she joined APHIS, Veterinary Services, initially in a field position in Nebraska. She has remained with APHIS since that time, moving from the field position to staff positions with both International Services and Veterinary Services (VS). She spent several years with VS' National Center for Import-Export, and is now with VS' Emergency Programs as the BSE Coordinator for APHIS. She is the Coordinator of the APHIS TSE Working Group – of which she has been a member since the early 1990's- and is also a member of the FDA TSE Advisory Committee.

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### **Larry Granger**

Dr. Granger has most recently served as TB Program Coordinator for the Michigan Department of Agriculture (MDA), Animal Industry Division, where he coordinated statewide TB eradication efforts in livestock. Dr. Granger has been with MDA since 1990.

Before being assigned to his current position in 2000, Granger worked for the MDA Office of Agriculture Development as a veterinary consultant where he was responsible for macroeconomic issues, department policy and legislative initiatives. Prior to that he served at the MDA Animal Industry Division as the Pseudorabies Eradication Program Coordinator and official pseudorabies epidemiologist.

Dr. Granger also worked as a Veterinary Medical Officer with USDA/APHIS/VS in Southern Ohio for two years, and owned and managed a mixed animal veterinary practice for nine years.

Dr. Granger received his Doctor of Veterinary Medicine from Michigan State University in 1979. He is a member of many professional organizations including the American Veterinary Medical Association, Michigan Veterinary Medical Association, and the American Association of Swine Practitioners.

He and his wife Jill have four children.

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## **Marion Koopmans**

### **Education**

- 1974: Gymnasium B, Collegium Marianum, Venlo, The Netherlands
- 1976: Graduated cum laude, Candidate's degree in Veterinary Medicine, Utrecht State University
- 1979: Graduated with honors, Doctoral degree in Veterinary Medicine, Utrecht State University
- 1983: Graduated with honors, Doctor of Veterinary Medicine, Utrecht State University
- 1990: Ph.D., Department of Infectious Diseases and Immunology, Virology Division, Veterinary Faculty, Utrecht State University. Dissertation title: "Diagnosis and epidemiology of torovirus infections in cattle"
- 1997: Registration as veterinary microbiologists, KNMvD
- 1981: Training in Tropical Veterinary Medicine in Gujarat, India.
- 1988: Training course "Introduction to modern epidemiology", Veterinary Faculty, Utrecht University
- 1991: Training course: "Molecular biological techniques", CDC, Atlanta, USA
- 1992: Training course: "Advanced Immunology", CDC, Atlanta, USA
- 1994: Training course: "Project Management", RIVM, Bilthoven
- 1995-1996: Training course: "Research Management", MOC, Bunnik
- 1997: Training course: "Molecular phylogeny", University of Antwerp.
- 2000: Training course: "Omgaan met risico's in de voedingsindustrie. Deel II.

### **Professional experience**

- Jan 2002- Chief of Virology, Diagnostic Lab for Infectious Diseases, (RIVM)
- March 1994-Dec 2001 Senior scientist in charge of enteric virus programme at the National Institute of Public Health, The Netherlands
- May and October 1996: WHO temporary advisor for workshops on rotavirus in London, UK, and Geneva, Switzerland.

June 1992- Dec 1994	Visiting scientist at the Viral Exanthems and Herpesvirus Branch, Centers for Disease control, Atlanta, GA, USA
Dec 1992-May 1993	Consultant on HCMV detection methods for Photonic Sensor Syst, Inc, Atlanta, GA.
Jan 1991-May 1992	Visiting fellow at the Viral Gastroenteritis Unit, Centers for Disease Control, Atlanta, Georgia, USA
1990:	Associate Investigator, Department of Infectious Diseases and Immunology, Veterinary Faculty, Utrecht State University
1983-1989:	Faculty member of the Department of Large Animal Medicine, Veterinary Faculty, Utrecht State University Ph.D. research at the Department of Infectious Diseases and Immunology, Virology Division, Veterinary Faculty, Utrecht State University
1983:	Locum tenens at several small and large animal practices
1978:	Veterinary assistant, National Dairy Development Board, Anand, Gujarat, India

### **Other activities**

- Teaching Virology Seminars at the Veterinary Faculty, Utrecht University.
- Teaching Virology at Hogeschool Utrecht, Delft.
- Teaching seminars of foodborne viral infections for Graduate Schools in Wageningen and Delft.
- Reviewer for Lancet, Journal of Medical Virology and Journal of Virological Methods on a regular basis.
- Member of education Committee of the graduateschool Infection & Immunity, since 1998.
- Chair of the Study Group Caliciviridae of the International Committee for Taxonomy of Viruses (since 1999)
- Section Editor for The Journal of Clinical Virology
- Editor for Virus Research
- Member of EU advisory committee of viral food safety
- Member of EU Network forum, with co-ordinators of 19 Europe-wide surveillance projects.

### **Professional organizations**

- American Society for Virology
- European Society for Clinical Virology
- Network for Women in Natural Sciences

### **Patents and awards**

HHS invention award, 1993. J.G. Dobbins, M.P. Koopmans, J.A. Stewart, and P.E. Pellett. Diagnostic diaper for identifying congenital infection with CMV and other pathogens.1993.

S.S. Monroe, R.I. Glass, M.P.G. Koopmans and B. Jiang. Nucleic acids encoding human astrovirus serotype 2 and uses thereof. 1997.

RIVM, Department for Infectious Diseases: Topscientist award per 1-5-1998.

### **Grants:**

NWO Program grant. Programma Verantwoorde Voeding, November 2000. Molecular detection and viability screening of non-cultivable food-borne viruses.

EU RTD grant: Rapid detection of transnational foodborne viral infections and elucidation of transmission routes through molecular tracing and development of a common database. 5<sup>th</sup> framework programme, quality of life. February 2000.

ZON: Control and prevention of viral diarrhoea outbreaks through calicivirus vaccination. November 1999.

PAD: Ontwikkeling van humane darmepitheelcel kweeksystemen voor vermeerdering van enteropathogene virussen. 1998-2000, extended August 2000.

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## **Gary Little**

Education: B.Sc.(Agr.) University of British Columbia 1981  
DVM University of Saskatchewan 1985

Gary Little graduated from the Western College of Veterinary Medicine in 1985 and practiced small animal medicine and surgery prior to joining the Meat Hygiene branch of Agriculture Canada in 1992. Since 1994, he has been involved with the national Animal Health programs of the Canadian federal government.

As a district veterinarian, in a rural community, Gary has significant experience administering the national animal health programs. This has included opportunities to travel to Canada's far north. He has had an interest in Foreign Animal Disease preparedness and has been the designated epidemiologist in the Western Area Emergency Response Team for the past number of years.

Since December 2001, he has been a staff veterinarian in the Disease Control Section of the Animal Health and Production Division, in Ottawa, working predominantly in the area of transmissible spongiform encephalopathies.

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## **Jack Shere**

Dr. Jack Shere attended Iowa State University from 1977 to 1987. During that time received a B.S. in Biology and Chemistry, a M.S. in Higher Educational Administration and a D.V.M. He worked as a veterinary practitioner in Georgia and Wisconsin over the next 3 years. He joined APHIS, VS in October of 1990 through the PVPC program. He trained in Nebraska for the next 8 months and then was transferred to Wisconsin where he worked as a Section VMO and the Area Epidemiologist between 1991 and 1999. In 1999 Dr. Shere was selected as the AVIC for the state of Wisconsin. In 2000 he completed work on a joint PhD in Poultry Science and Microbiology at the University of Wisconsin. In November of 2002 Dr. Shere was selected as an Associate Regional Director for the Western Region of VS. In December of 2002 he was sent to California to work on the Newcastle Disease Task Force where he is serving as the Joint Area Commander in a unified command with the state of California.

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## **ANNETTE WHITEFORD**

### **LICENSED VETERINARIAN (1998-present)**

#### **VETERINARY MEDICAL OFFICER, ANIMAL HEALTH EMERGENCY PROGRAMS (4/01-present)**

California Department of Food and Agriculture, Sacramento, CA

Facilitate emergency animal disease preparedness and response through response planning, written outreach and oral presentations, emergency management training, interagency coordination, and response management. Participated in the bovine tuberculosis eradication program (2002), acted as project leader for the California avian influenza cooperative eradication program (2002), and acted as incident/area commander for the California Exotic Newcastle disease (2002-2003) emergency response.

#### **VETERINARIAN, SMALL ANIMAL PRACTICE (3/00 – 4/01)**

Sunset Animal Clinic, Suisun, CA

Performed all duties of a small animal veterinarian including hospital management, emergency response, preventative healthcare, internal medicine, and surgery.

#### **VETERINARIAN, MIXED ANIMAL PRACTICE (6/98 - 3/00)**

Berryessa Veterinary Services, Winters, CA

As a large animal veterinarian, provided health care for cattle, horses, llamas, sheep, goats and pigs. Work included general herd health management, preventative medicine, disease identification by inspection, testing or post mortem exam, implementation of appropriate disease control strategies, and emergency medical and surgical care.

## **VETERINARY EDUCATION (1994-1998)**

### **UNIVERSITY OF CALIFORNIA, SCHOOL OF VETERINARY MEDICINE**

Doctorate of Veterinary Medicine, 1998

Phi Zeta Honor Society, various merit scholarships

Worked as a mixed animal practice intern, UCD Hospital Practices instructor, UCD equine barn nurse, and UCD Food Animal Service summer intern

## **BUSINESS MANAGEMENT (1986-1994)**

### **BUSINESS MANAGER (1989-1994)**

EFA Technologies Inc., Sacramento, CA

Developed business plans, wrote contracts and business reports, maintained or reviewed all accounting records, prepared and filed all payroll, property and income taxes, coordinated leases and maintenance contracts, managed financial assets, and supervised staff.

### **BUDGET ANALYST (1986-1989)**

Lockheed Missiles & Space, Sunnyvale, CA

Analyzed and negotiated company fixed asset allocations (multi-billion dollar annual allocations), participated in large scale project management, completed management development program, provided year-end overhead account projections, identified potential cost problems and budget solutions, and supervised staff.

## **UNDERGRADUATE EDUCATION (1982-1986)**

### **UNIVERSITY OF CALIFORNIA, DAVIS**

B.A. Economics, Minor in Rhetoric, 1986

Graduated with Honors

**INTERESTS** - Spending time with husband and two daughters, water skiing, snow skiing, camping and hiking